Lab Report

Pocono Creek Stream Analysis

Procedure:

Materials:

1. Boots

2. Nets

3. chemical kits

4. Rubber gloves

5. Hip waders

6. Turbidity tubes

7. Thermometer

8. Macronvetebrates key

Results:

|  |  |  |
| --- | --- | --- |
| Macroinvertebrate | Number Found | Tolerance to Pollution |
| Caddisfly larvae | 24 | Sensitive |
| Hellgrammite (dobsonfly) | 1 | Sensitive |
| Mayfly larvae | 3 | Sensitive |
| Riffle beetle adult | 1 | Sensitive |
| Stonefly larvae | 7 | Sensitive |
| Water penny larvae | 1 | Sensitive |
| Dragonfly larvae | 1 | Somewhat sensitive |
| Scuds | 2 | Somewhat sensitive |
| Leeches | 1 | Tolerant |

|  |  |  |
| --- | --- | --- |
| Test | Results | Acceptable Ranges |
| pH | 7.7 | A range from 6.5 to 8.2is optimal for most orgnisms |
| Alkalinity | 22 ppm | 100-200 ppm is normal will stabilize a stream. 20-200 ppm tropical to fresh water |
|  |  |  |
|  |  |  |
|  |  |  |